

#### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Wayne F. Reinke (Reg. No. 36,650) on 9/25/08.

The application has been amended as follows:

1. (Currently Amended) A method of managing execution of requests of a computing environment, said method comprising:

~~determining which processor of a plurality of processors is available to process a request, wherein said determining comprises obtaining from one or more virtual machines of one or more processors of the plurality of processors information to be used in the determining;~~

~~sending the request to the processor determined to be available;~~  
~~obtaining by the processor of the computing environment the request to be processed, wherein said obtaining comprises obtaining by a virtual machine of the processor the request to be processed;~~

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~~starting another virtual machine on the processor to process the request, said another virtual machine being exclusive to the request, wherein the starting comprises:~~

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providing by the virtual machine to a communications service coupled to said virtual machine and said another virtual machine a start indication indicating that the another virtual machine is to be started; and

using the communications service to start the another virtual machine; and  
processing the request by the another virtual machine.

2. (Previously Presented) The method of claim 1, wherein the starting is managed at least in part by another a virtual machine of the processor other than the another virtual machine.

3. (Currently Amended) The method of claim 1, wherein said obtaining comprises receiving the request by the virtual machine of the processor, and wherein the starting comprises starting the another virtual machine by the virtual machine.

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4. (Currently Amended) The method of claim 3, wherein the receiving the request comprises receiving the request from a job management service coupled to the virtual machine.

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5. (Currently Amended) The method of claim 1, wherein the starting comprises providing one or more resources to the another virtual machine to process the request.

6. (Currently Amended) The method of claim 1, further comprising shutting down the another virtual machine, in response to completing the request.

7. (Currently Amended) The method of claim 6, wherein the shutting down comprises returning one or more resources provided to the another virtual machine.

8. (Currently Amended) The method of claim 6, wherein said shutting down is managed at least in part by a virtual machine of the processor other than the another virtual machine.

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9. (Currently Amended) The method of claim 8, wherein said shutting down comprises using by the virtual machine a communications service to shut down the another virtual machine.

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10-12. (Canceled)

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13. (Currently Amended) The method of claim 1, wherein said plurality of processors include at least one processor that is heterogeneous to another processor.

14. (Currently Amended) The method of claim 13, wherein the at least one processor is of at least one of a different family and different generation than the another processor.

15. (Canceled)

16. (Currently Amended) The method of claim 1, further comprising providing from said another virtual machine to a job management service information regarding the request being processed.

17. (Canceled)

18. (Currently Amended) A method of managing initiation of virtual machines of a computing environment, said method comprising:

determining which processor of a plurality of processors is available to process a request, wherein said determining comprises obtaining from one or more virtual machines of one or more processors of the plurality of processors information to be used in the determining;

sending the request to the processor determined to be available;

determining by one virtual machine on the processor that another virtual machine is to be initiated, wherein the determining is in response to receiving by the processor a request to be processed, wherein the one virtual machine obtains the request and wherein the another virtual machine is exclusive to the request;

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initiating, by the one virtual machine, the another virtual machine, wherein said initiating comprises indicating by the one virtual machine to a communications service to

initiate the another virtual machine, and using by the one virtual machine the communications service in initiating the another virtual machine; and

processing the request by the another virtual machine.

19. (Canceled)

20. (Previously Presented) The method of claim 1, wherein the request is for utilization of machine resources.

21. (Canceled)

22. (Currently Amended) A method of providing an on-demand infrastructure, said method comprising:

determining whether at least one processor of a plurality of processors is available to process a request, wherein said determining comprises obtaining from one or more virtual machines of one or more processors of the plurality of processors information to be used in the determining;

sending the request to the at least one processor determined to be available;

deploying logic on at least one processor of the plurality of processors to automatically provide a virtual machine on-demand in response to the request received by at least one of the at least one processor, the virtual machine exclusive to the request, and to process the request by the virtual machine.

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23-50. (Canceled)

### *Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KENNETH TANG whose telephone number is (571)272-3772. The examiner can normally be reached on 8:30AM - 6:00PM, Every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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